



**Department  
of Health**

# **New York State Asthma Dashboard**

**September 13, 2023**

# Asthma Home Page

Click the link to navigate to the main data dashboard

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## Information on Asthma in New York State

Asthma is a chronic disease of the lungs that causes wheezing, breathlessness, chest tightness, and coughing. Asthma that is not well-controlled can greatly limit a person's quality of life. In 2020 an estimated 1.4 million adults and over 390,000 children had Asthma. Exacerbations are impacted by factors that include severity and control status, access to care, medication adherence, and environmental factors.

This surveillance page presents information and data on asthma in New York State. State and County data previously provided on this page have incorporated into the New York State Asthma Control Program Data Dashboard and are displayed in enhanced, more interactive data views.

### New York State Asthma Control Program Data Dashboard

- [New York State Asthma Control Program Data Dashboard](#)

The New York State Department of Health Asthma Data Dashboard tracks asthma data at state, county, and ZIP code levels and is a key resource for assessing asthma burden in New York State and tracking intervention progress. The state asthma dashboard includes 40 asthma-related indicators, and is updated annually to include the most recent year of data available for asthma prevalence, emergency department visits, hospital discharges, mortality, asthma health care utilizations and costs. For 17 of those indicators, drill-down data and visualizations for major socio-demographic factors (e.g., age group, race/ethnicity, sex, region, income, education, etc.) are provided. Each of the 62 counties in the state has their own dashboard with data for 31 indicators. Maps, trend graphs, and data tables are also available from the state and county dashboard views. New resources will be added often. Please check back frequently.

### Asthma Burden Reports

This report was compiled in response to Article VII, Part MM in the SFY 2018-2019 State budget, which directed the New York State Department of Health to prepare a study of, and recommendations for, evidence-based interventions (EBIs) to address the high burden of asthma in the boroughs of Brooklyn and Manhattan. The report was developed by the Department's Office of Public Health with contributions from the New York City Department of Health and Mental Hygiene. Based on iterative feedback and participation from a working group consisting of various stakeholders (e.g., governmental and academic professionals, and community-based organizations), collective decisions were made to 1) consider all five boroughs of NYC to ensure responsiveness to areas experiencing the highest burden of asthma, and 2) to use only existing data previously collected by NYC and NYS agencies due to limited time and resources dedicated for this project. The following report provides: 1) an overview of the burden of asthma statewide and in NYC neighborhoods; 2) a review of high-risk neighborhoods disproportionately impacted by asthma; 3) a review of the indoor and outdoor environmental triggers and allergens, and outdoor air quality; and 4) evidence-based and best practice recommendations for policies, strategies, and interventions supportive of asthma control.

- [Asthma Burden in NYC - January 2023 \(PDF\)](#)

# Landing Page Tip - \*Bookmark this link

The screenshot shows the New York State Asthma Dashboard landing page. The top navigation bar includes 'Department of Health', 'Individuals/Families', 'Providers/Professionals', 'Health Facilities', and 'Search'. The main heading is 'New York State Asthma Dashboard'. Below the heading is a breadcrumb trail: 'You are Here: Home Page > Asthma Home Page > Asthma Dashboard'. The main content area is titled 'Overview of the Asthma Dashboard' and contains two paragraphs of text. The first paragraph describes the dashboard's purpose and scope. The second paragraph details the data included, such as 44 indicators and socio-demographic breakdowns. Two links are highlighted with red boxes: 'Asthma State Dashboard' and 'Asthma County Dashboard'. A side panel on the left contains links for 'Dashboards', 'Data Export', 'Technical Notes', 'User's Guide', 'Other Dashboards and Useful Links', and 'Contact Us'. A red box on the left side of the image contains text describing this side panel. A red box on the right side of the image contains text describing the highlighted links.

Department of Health    Individuals/Families    Providers/Professionals    Health Facilities    Search

## New York State Asthma Dashboard

You are Here: [Home Page](#) > [Asthma Home Page](#) > Asthma Dashboard

### Overview of the Asthma Dashboard

The New York State (NYS) Asthma Dashboard provides a comprehensive view of asthma in the state and serves as a resource for policymakers, healthcare providers, and other stakeholders. The Dashboard is leveraged to guide strategic actions, target interventions to serve the highest risk individuals with asthma, support populations facing a disproportionate burden of asthma, and drive the expansion of evidence-based asthma interventions and policies supportive of asthma control. It is regularly accessed by internal and external partners to obtain current and historical data on populations with asthma including state, county, and sub-county level indicators with breakdowns for socio-economic factors for the total NYS population and the NYS Medicaid Managed Care population. New resources will be added often. Please check back frequently.

[Asthma State Dashboard](#)

The state asthma dashboard includes 44 asthma-related indicators, and is updated annually to include the most recent year of data available for emergency department visits, hospital discharges, mortality, asthma prevalence, asthma health care utilization, and costs. For 23 of those indicators, drill-down data and visualizations for major socio-demographic factors (e.g., age group, race/ethnicity, sex, region, income, education, etc.) are provided.

[Asthma County Dashboard](#)

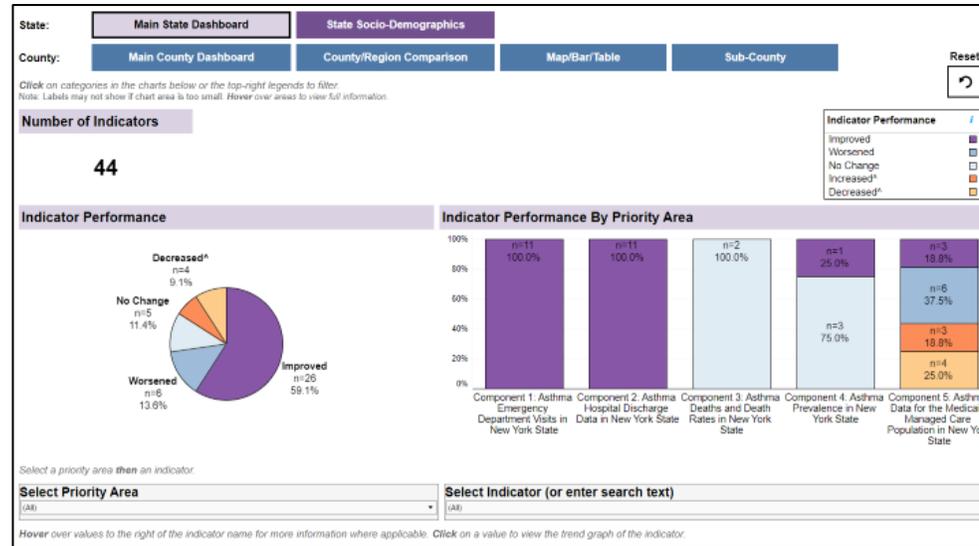
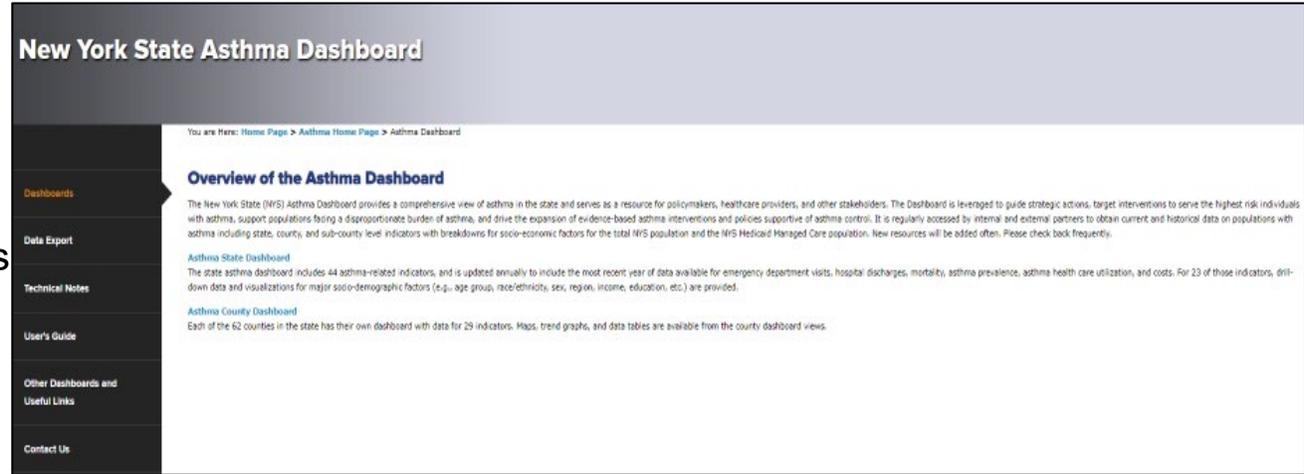
Each of the 62 counties in the state has their own dashboard with data for 29 indicators. Maps, trend graphs, and data tables are available from the county dashboard views.

**Side panel with links to export files, technical notes, how-to guides, other dashboards, and the Prevention Agenda contact info**

**Links to the State main page and County main page in Tableau workbook**

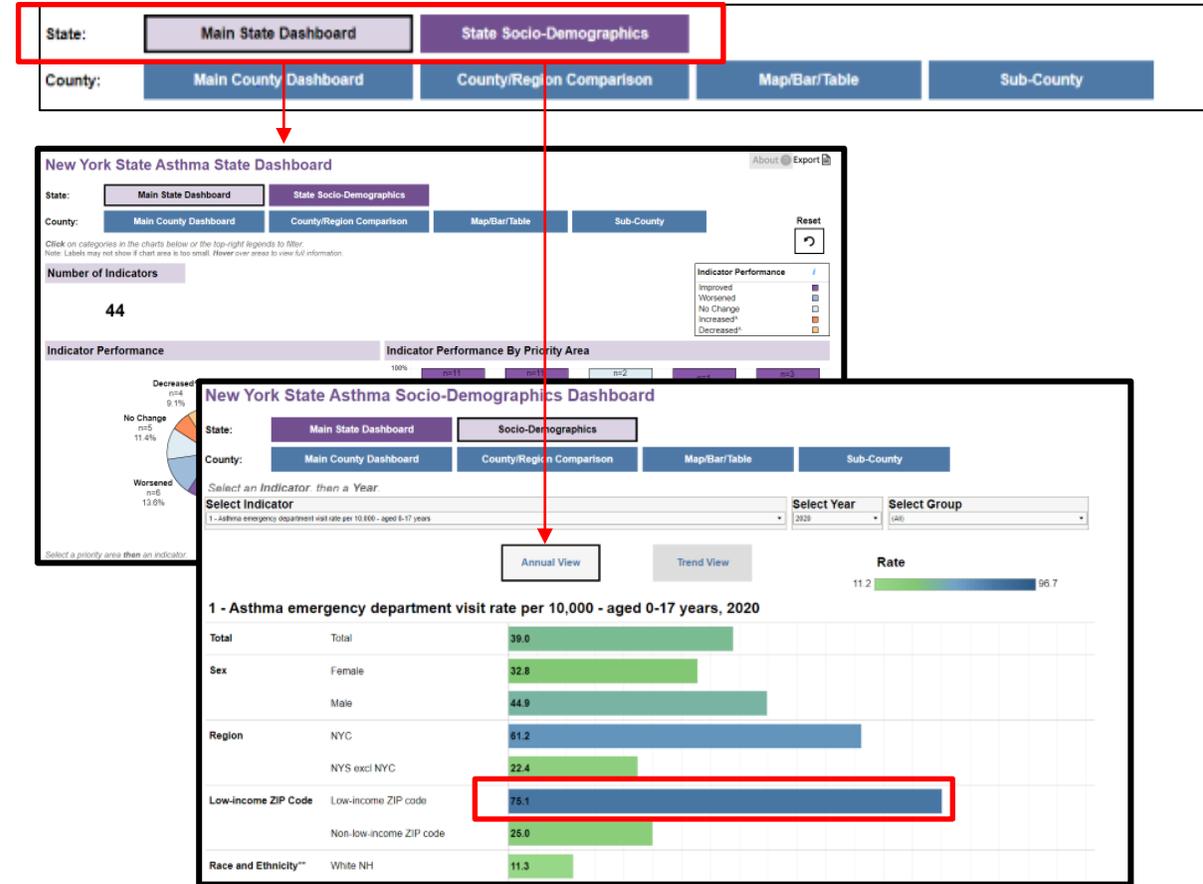
# NYS Asthma Dashboard Overview

- **Landing page**
  - State dashboard
  - County dashboard
  - Export files
  - Methodology and indicator descriptions
  - Links to other dashboards
  
- **Main State Dashboard**
  - Main page – with link to trend
  - Socio-demographics
    - Annual View
    - Trend View
  
- **Main County Dashboard**
  - Main page – with link to trend
  - County/region comparison table
  - Map, bar chart, table
  - Sub-County



# State Dashboards

- **Main State Dashboard** provides details on:
  - Indicator Performance (how indicators compare to the previous data period, i.e., improved, worsened, did not change)
- **State Socio-Demographics** provide details on the sociodemographic breakdown under each indicator, as annual views and trend graphs



# Main State Dashboard

Navigate here from the landing page. Within workbook, click on **Main State Dashboard** to return here

Visualizations at the top provide indicator status and performance details at a glance.

Clicking on categories within these will filter the visuals and table below based on selection.

**New York State Asthma State Dashboard** About Export

State: **Main State Dashboard** | State Socio-Demographics

County: **Main County Dashboard** | County/Region Comparison | Map/Bar/Table | Sub-County Reset

*Click on categories in the charts below or the top-right legends to filter.*  
*Note: Labels may not show if chart area is too small. Hover over areas to view full information.*

**Number of Indicators**  
44

**Indicator Performance**

- Improved
- Worsened
- No Change
- Increased<sup>^</sup>
- Decreased<sup>^</sup>

**Indicator Performance**

**Indicator Performance By Priority Area**

Priority Area	Improved	Worsened	No Change	Increased <sup>^</sup>	Decreased <sup>^</sup>
Component 1: Asthma Emergency Department Visits in New York State	n=11 (100.0%)	0	0	0	0
Component 2: Asthma Hospital Discharge Data in New York State	n=11 (100.0%)	0	0	0	0
Component 3: Asthma Deaths and Death Rates in New York State	0	0	n=2 (100.0%)	0	0
Component 4: Asthma Prevalence in New York State	n=1 (25.0%)	0	n=3 (75.0%)	0	0
Component 5: Asthma Data for the Medicaid Managed Care Population in New York State	n=3 (18.8%)	n=3 (18.8%)	n=6 (37.5%)	n=4 (25.0%)	0

Select a priority area then an indicator.

Select Priority Area: (All) | Select Indicator (or enter search text): (All)

*Hover over values to the right of the indicator name for more information where applicable. Click on a value to view the trend graph of the indicator.*

Clicking on **About** Icon leads to page listing data sources and methodology on each indicator **Export** Icon leads to Asthma Data Export Links.

Clicking on legends at the top-right corner filter the visuals and table below.

Dropdown menus by **Priority Area** and **Indicator** will also filter the visuals and table below.

# County Dashboard

- **Main County Dashboard** provides details on:
  - Indicator Status (whether indicator has met objective in the most recent data period)
  - Indicator Performance (how indicators compare to the previous data period, i.e., improved, worsened, did not change)
  - Concern Level Based on Quartile Distribution (show category in which the county estimate belongs)
- **County/Region Comparison** provides a tool to compare estimates for up to FOUR counties/regions
- **Map/Bar/Table** provides data views of county map, bar chart, and data table
- **Sub-County** provides data views of eight indicators at sub-county level, including ZIP Code, School District, and Minor Civil Division/Community District

The image displays four screenshots of the New York State Asthma Dashboard interface, illustrating different views and data presentation options:

- Top Left Screenshot (Main County Dashboard):** Shows the 'Main County Dashboard' view. It includes a navigation menu with 'Main State Dashboard', 'State Socio-Demographics', 'Main County Dashboard', 'County/Region Comparison', 'Map/Bar/Table', and 'Sub-County'. The main content area displays 'Indicator Performance' (29 indicators) and 'Indicator Performance by Priority Area' (bar chart).
- Top Right Screenshot (Map/Bar/Table View):** Shows the 'Map/Bar/Table' view. It features a map of Albany County with data points, a legend for concern levels (Low, Moderate, High), and a table of data.
- Bottom Left Screenshot (County/Region Comparison Dashboard):** Shows the 'County/Region Comparison Dashboard' view. It displays a table of percentage statistics for various priority areas, such as 'Asthma Emergency Department Visits in New York State'.
- Bottom Right Screenshot (Sub-County View):** Shows the 'Sub-County' view. It displays a map of Albany County and a detailed data table for 'Asthma emergency department visit rate per 10,000 - aged 0-17 years'.

# Main County Dashboard

Navigate here from the landing page. Within workbook, click on **Main County Dashboard** to return here

Visualizations at the top provide indicator status and performance details at a glance. Clicking on categories within these will filter the visuals and table below based on selection.

**New York State Asthma Albany Dashboard**

State: **Main State Dashboard** | **State Socio-Demographics**

County: **Main County Dashboard** | **County/Region Comparison** | **Map/Bar/Table** | **Sub-County**

Select County: Albany

Export

Indicator Performance Legend:

Indicator Performance		Concern Level	
Improved	■	High Concern	■
Worsened	■	Low Concern	■
No Change	■	Moderate Concern	■
N/A	■	No Distribution	■

Number of Indicators: **29**

Indicator Performance: Pie chart showing Improved (n=22, 75.9%) and No Change (n=2, 6.9%).

Indicator Performance By Priority Area: Stacked bar chart showing performance across five areas.

Priority Area	Improved (n, %)	Worsened (n, %)	No Change (n, %)	N/A (n, %)
Asthma Emergency Department Visits in New York State	10 (90.9%)	1 (10.0%)	0 (0%)	0 (0%)
Asthma Hospital Discharge Data in New York State	10 (90.9%)	0 (0%)	0 (0%)	0 (0%)
Asthma Deaths and Death Rates in New York State	0 (0%)	1 (50.0%)	1 (50.0%)	0 (0%)
Asthma Prevalence in New York State	0 (0%)	0 (0%)	1 (100.0%)	0 (0%)
Asthma Data for the Medicaid Managed Care Population in New York State	2 (50.0%)	0 (0%)	2 (50.0%)	0 (0%)

Select Priority Area: (All) | Select Indicator (or enter search text): (All)

Hover over values to the right of the indicator name for more information where applicable. Click on a value to view the trend graph of the indicator.

Clicking on **About** Icon leads to page listing data sources and methodology on each indicator **Export** Icon leads to Asthma Data Export Links.

Clicking on legends at the top-right corner filter the visuals and table below.

Dropdown menus by **Priority Area** and **Indicator** will also filter the visuals and table below.



# County/Region Comparison Page

**New York State Asthma County/Region Comparison Dashboard** Export 

State: Main State Dashboard State Socio-Demographics

County: Main County Dashboard County/Region Comparison Map/Bar/Table Sub-County

*Select a priority area then up to four counties/regions.*  
Note: Blank cells mean data are not available. Numerator data are not available for some indicators.

Select Priority Area:  Select up to four counties/regions:   Percent/rate/ratio  
 Numerator

Percent/rate/ratio			
Priority Area Label	Indicator Description	Data Year	New York State
Component 1: Asthma Emergency Department Visits in New York State	Asthma emergency department visit rate per 10,000 - aged 0-4 years	2018-2020	116.9
	Asthma emergency department visit rate per 10,000 - aged 5-11 years	2018-2020	103.6
	Asthma emergency department visit rate per 10,000 - aged 12-17 years	2018-2020	52.5
	Asthma emergency department visit rate per 10,000 - aged 0-17 years	2018-2020	90.2

Select up to four counties/regions from the dropdown list

# County Map/Bar/Table Page

State: [Main State Dashboard](#) [State Socio-Demographics](#)

County: [Main County Dashboard](#) [County/Region Comparison](#) **[Map/Bar/Table](#)** [Sub-County](#)

**New York State Asthma County Dashboard**

State: [Main State Dashboard](#) [State Socio-Demographics](#)

County: [Main County Dashboard](#) [County/Region Comparison](#) [Map/Bar/Table](#) [Sub-County](#)

Total asthma emergency department visit rate per 10,000, 2018-2020

Select an indicator then a year:

Select Indicator: Total asthma emergency department visit rate per 10,000

Select Data Year: 2018-2020

Hover over a county for more information. Click on a county to see a trend graph of the indicator.

Desired direction: Lower rates/percentages are more desirable

Data Year: 2018-2020  
Region: Tug Hill Seaway  
County: St. Lawrence  
ED visits rate per 10,000: 56.4

Quartile (Q) Distribution

Low Concern	Q1 - Q2: 12.0 - < 29.6
Moderate Concern	Q3: 29.6 - < 38.6
High Concern	Q4: 38.6 - 177.5

Hover over a county to see the indicator rate within each county.

Click on a county to get trend chart and table

Back to County Map/Bar/Table

Navigate to 'County map/bar/table'

County Trends

Select a priority area then an indicator then up to 11 counties/regions. Click on county/region in the legend to display values on the graph.

Select Priority Area: Asthma Emergency Department Visits in New York State

Select Indicator: Asthma emergency department visit rate per 10,000 - aged 0-4 years

Select up to 11 counties/regions: St. Lawrence

Asthma emergency department visit rate per 10,000 - aged 0-4 years, St. Lawrence

ED visits rate per 10,000

2009-2011 2010-2012 2011-2013 2012-2014 2016-2018 2017-2019 2018-2020

Data Source: SPARCS data as of August 2022

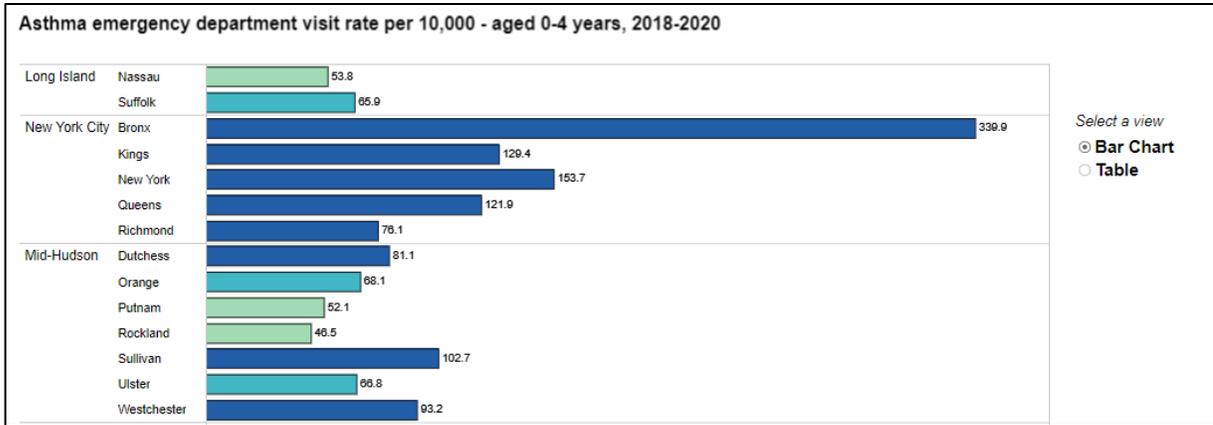
Asthma emergency department visit rate per 10,000 - aged 0-4 years, St. Lawrence

Data Year	ED visits rate per 10,000
2009-2011	116.1

# County Map/Bar/Table Page

State: Main State Dashboard State Socio-Demographics

County: Main County Dashboard County/Region Comparison **Map/Bar/Table** Sub-County



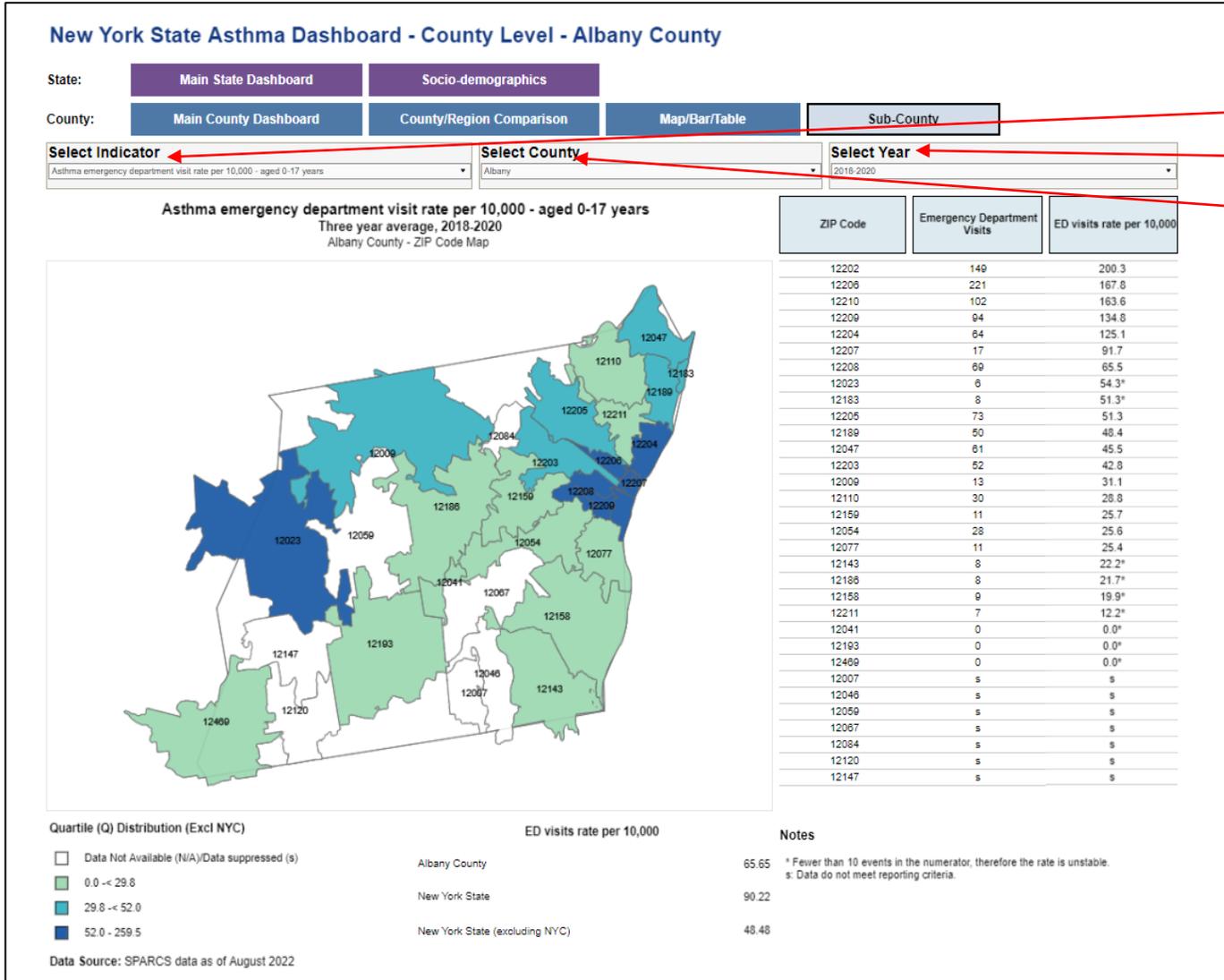
Select to view either the Bar Chart, or the Table

**Asthma emergency department visit rate per 10,000 - aged 0-4 years, 2018-2020**

Region	County/Region	ED Visits	Average population	ED visits rate per 10,000
Capital Region	Albany	448	15,499	96.4
	Columbia	55	2,454	74.7
	Greene	43	2,011	71.3
	Rensselaer	161	8,230	65.2
	Saratoga	109	11,656	31.2
	Schenectady	192	9,160	69.9
	Capital Region	1,008	49,010	68.6
Central NY	Cayuga	50	3,867	43.1
	Cortland	20	2,481	26.9
	Madison	45	3,389	44.3
	Oneida	199	12,908	51.4
	Onondaga	733	26,291	92.9
	Oswego	137	6,375	71.6
	Central NY	1,184	55,311	71.4

Select a view  
 Bar Chart  
 Table

# County Sub-County Page



Select Indicator, County Or Year